

Amendments to the Claims:

JC17 Rec'd PCT/P10 13 JUL 2005

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-16 (canceled).

17. (new) A detector of articles comprising a contactless label of the RFID type, said detector comprising at least one antenna formed of N loops and M turns, M and N being integers greater than or equal to 1, wherein at least one of the turns consists of at least two complementary segments, the two complementary segments not being coplanar, and being arranged so that an addition of one of said complementary segments starting from an end thereof to another of said complementary segments constitutes a turn, and each segment is present on one of two different substrate layers.

18. (new) The detector as claimed in claim 17, wherein at least one of the turns of the antenna is constituted by at least two segments extending in different planes.

19. (new) The detector as claimed in claim 18, wherein the planes in which the at least two segments extend are parallel with each other.

20. (new) The detector as claimed in claim 18, wherein the ends of each of two consecutive segments are connected to each other by a bridge.

21. (new) The detector as claimed in claim 20, wherein the connection between the ends of the segments is such that the antenna exhibits N loops with one turn.

22. (new) The detector as claimed in claim 20, wherein the connection between the ends of the segments is such that the antenna exhibits one loop with N turns.

23. (new) The detector as claimed in claim 20, wherein the bridge extends perpendicular to the planes of the segments of turn.

24. (new) A system for the identification of articles comprising contactless labels of the RFID type, comprising an intermediate element and an antenna formed from several turns, at least one of the turns being constituted by at least two complementary segments, the at least two segments not being coplanar, and said intermediate element comprising a thin casing comprising an electrical circuit.

25. (new) The system as claimed in claim 24, wherein said antenna is contained in a substantially parallelepipedic card having two large parallel faces.

26. (new) The system as claimed in claim 25, wherein said electrical circuit extends in a plane substantially perpendicular to planes of said large parallel faces of the card.

27. (new) The system as claimed in claim 24, wherein said electrical circuit extends parallel with the contactless label of the RFID type of an article.

28. (new) The system as claimed in claim 24, wherein articles are disposed substantially parallel with respect to each other.

29. (new) The system as claimed in claim 24, wherein articles are disposed close to each other, at a distance of less than 40 millimeters (mm).

30. (new) The system as claimed in claim 29, wherein said distance is less than 15 mm.

31. (new) The system as claimed in claim 24, wherein said antenna is tuned, with an impedance of  $50\ \Omega$  (Ohms) and with zero phase shift, to the frequency of 13.56 MHZ (Megahertz).

32. (new) A method of manufacture of a detector as claimed in claim 17, comprising the following steps:

producing at least one electrical conductor segment on a

plurality of substrates respectively, and  
assembling multiple layers of said substrates.

33. (new) The method as claimed in claim 32, further  
comprising a step of producing a connection between different  
segments of each of the substrates.